

ABSTRACT OF THE DISCLOSURE

A stack, having improved efficiency, for venting exhaust gases from a combustion chamber of a solid fuel burning apparatus, such as a boiler, to a flue. The stack, which can be retrofitted to certain wood burning furnaces or boilers

5 includes an elongated tubular member having a first end, a second end and at least one inlet proximate the first end. The second end of the elongated tubular member defines an outlet which is adapted to register with a flue so as to vent combustion, or exhaust, gases from the combustion chamber to the atmosphere. Further, the stack includes at least one conduit member which is in fluid

10 communication with the first tubular member. The conduit member includes an open end adapted to be in fluid communication with the combustion chamber and an oppositely disposed closed end which is proximate the inlet of the elongated tubular member and is in fluid communication with the inlet of the elongated member. The conduit member(s), defines a channel for communicating exhaust

15 gases from the open end of the conduit member to the inlet of the elongated member creating a tortuous airflow path for combustion gases from the combustion chamber to the chimney via the open end of the conduit member through the outlet of the elongated tubular member to the flue.